

Orange County Bridge Review Summary

Dokken Engineering performed a field review of the Orange County bridge listed below in April 2017 to identify maintenance activities eligible for Caltrans' Bridge Preventive Maintenance Program (BPMP), dated December 2015, funding. Additional maintenance activities, if present, not eligible for BPMP funding were also noted. Maintenance recommendations, if noted in the most recent Caltrans Bridge Inspection Report (BIR), were confirmed.

Bridge Number: 55C0283

Bridge Name: Sunset Channel

Year Built: 1959

Facility Carried: Broadway

This bridge does not have a bridge inspection report therefore some general information is unknown. The Sunset channel bridge at Broadway appears to be a CIP/RC slab supported on concrete pile extensions and on seat abutments with unknown foundations.

Caltrans BIR recommendations:

- N/A. Note at the time of inspection the BIR was not available.

Field Inspection Observations

- No access to substructure (photo 1)
- After chaining the deck and sidewalk, some areas of the deck and sidewalk sounded like there may be some minor delamination.
- Spalling at the abutment back wall (photo 2).

Maintenance Needs Assessment

BPMP Assessment

- N/A – No eligible maintenance activities

General Maintenance – Non-BPMP

- Remove and patch delaminated concrete at bridge. Low priority.
- Monitor abutment back wall. Currently not a significant problem.

Proposed BPMP Construction Costs

- N/A

Construction Items Not Funded by BPMP

- N/A

APPENDIX A

Photos



Photo 1:



Photo 2: